

## 1. Personal Information

Mahdi Tajdini , 1977 , Tehran , Iran  
Mobile No.: 09122884127 , E-mail : [m.tajdini@gmail.com](mailto:m.tajdini@gmail.com)



## 2. Education

MSc.	Electrical Engineering (Power, Energy Management System)	Amirkabir University of Technology
B.Sc.	Electrical Engineering (Power)	Khajeh Nasir University of Technology

## 3. Publication

Uncertainty Analysis and Modeling in Power Distribution Networks via LHS Method for Optimum Probabilistic Allocation of Distributed Generation Units, International Conference on Electrical Engineering , University of Tehran , 2016

## 4. Work Skills

### 1 - Power Network Engineering and Design:

SYSTEM STUDY (LOAD FLOW , SHORT CIRCUIT , TRANSIENT/DYNAMIC STABILITY, HARMONIC STUDIES ) SUBSTATION/SWITCHGEAR (TOPOLOGY SELECTION, SIZING, RATING, SLD, CONTROL & PROTECTION CONCEPT, ARRANGEMENT, CIVIL GUIDE, LAYOUT) TRANSFORMER ,CAPACITOR BANK ,REACTOR ,DIESEL/TURBINE GENERATOR SIZING & STUDY, SECONDARY & PRIMARY EARTHING & LIGHTNING (STUDY & LAYOUT), LIGHTING (SIZING & LAYOUT), CABLE SIZING STUDY/SELECTION, TRANSMISSION LINE CONDUCTOR SELECTION , CABLE ROUTE AND CIVIL GUIDE FOR ELECTRICAL EQUIPMENT, AC/DC UPS STUDY , NGR / NER STUDY, PDCS/DCS ARCHITECTURAL DESIGN, ELECTRICAL I/O STUDY & INTERFACE ANALYSIS, AREA CLASSIFICATION CONCEPTS IN ORDER TO ELECTRICAL EQUIPMENT SELECTION, HEAT TRACING , PHOTOVOLTAIC SYSTEM DESIGN, EVALUATION AND STUDY ON ELECTRICAL PART OF MECHANICAL PACKAGE ( BURN PIT, COMPRESSOR, ELECTRO PUMPS, FLARE, INJECTION PACKAGE, DESALTER, FIRE HEATER & so on), TELECOM NETWORK TOPOLOGY SELECTION & DESIGN, TELEPHONE SYSTEM (PABX) , RADIO LINK ( UHF&VHF) , PAGING , CCTV.

### 2- Cathodic Protection Design.

### 3- Procurement Engineering Service:

Full familiar with Issuance of MR,POS, TBE Vendor Document Review, Providing technical package for the bid and contract dossier.

### 4.Management:

Familiar with PMBOK and Project Management Office concept, INTER DISCIPLINE/INTERFACE COORDINATION, DISCIPLINE DUTIES AND LEADERSHIP CONCEPT AND RESPONSIBILITY.

5. Work Experience			
Company/Organization	Duration		Position/Activities
	from	Until	
PARS MEHRAVARAN ENERGY DEVELOPMENT Co, Ltd.	2017	Now	<p><b>CEO &amp; CHAIRMAN OF THE BOARD</b>  <u>FEASIBILITY STUDY(Technical and Commercial)</u> for Constructing 10MW Photovoltaic Power Plant in (Takestan/Abhar/Khorramdasht/Eyvanakey/Biyarjomand/Semnan/Shahrud/Bastam)  <u>Basic/Conceptual Design</u> for 10MW photovoltaic Power Plant in Eyvanaki/Biyarjomand                      Developing 10MW Photovoltaic Power Plants in Qazvin/Semnan/Zanjan province</p>
MAPNA Oil and Gas Development Company	Feb.2013	Now	<p><b>Head of Electrical &amp; Telecommunication Department</b>  <u>CONCEPTUAL DESIGN AND PREPARATION OF PRE-MDP</u> for " Gas Refinery of FOROOZ B Gas Development Field".  <u>ENDORSEMENT REPORT</u> for FEED Stage SARVAK AZAR CPF (Central Processing Facilities)  <u>TECHNICAL PROPOSAL ON BID</u> for "SARVAK AZAR CPF (Central Processing Facilities)" EPCC Packag  <u>TECHNICAL PROPOSAL ON BID</u> for " WEST QURNA CPF(IRAQ)(Central Processing Facilities) " and " GPP (Gas Processing Plant)"  <u>TECHNICAL PROPOSAL ON BID</u> for "GHARAF OIL FIELD(IRAQ)" Water Intake , Treatment , Distribution and Injection to Oil WELLS  <u>ENDORSEMENT REPORT</u> for "GHARAF OIL FIELD(IRAQ)" Water Intake , Treatment , Distribution and Injection to Oil WELLS  <u>TECHNICAL PROPOSAL ON BID</u> for "SOUTH AZADEGAN OIL FIELD"  <u>TECHNICAL PROPOSAL ON BID</u> for "Aftab Gas Refinery""</p>
IPMI Industrial Project Management of Iran	Nov.2007	Feb.2013	<p><b>Electrical &amp; Telecommunication Engineering Manager</b>  <u>SOUTH PARS PHASES 14</u> (IPMI PART , DETAIL DESIGN STAGE AND PROCUREMENT SERVICE ENGINEERING.  <u>SOUTH PARS PHASES 14 AS A CONSORTIUM LEADER OF ELECTRICAL/ TELECOM DEPARTMENT</u> on BID / CONCEPTUAL / FEED stage.  <u>SOUTH PARS PHASES 17&amp;18</u> (UNIT 100, 102, 103, 110, 121, 123, 124, 125B, 129, 143) ( IPMI part in behalf of IDRO ) DETAIL DESIGN STAGE AND PROCUREMENT SERVICE ENGINEERING.                      &gt;&gt;TECHNICAL PROPOSAL ON BID for DMC TENDER (CONDENSATE DEMERCAPTINIZATION ) SP 4&amp;5.                      GTL (GAS TO LIQUID) DESIGN REVIEW.  <u>TABNAK-PARSIAN GAS REFINERY</u> – DETAIL DESIGN STAGE AND PROCUREMENT SERVICE ENGINEERING.</p>
ODCC / Petrotechsun Consortium	Apr.2006	Nov.2007	<p><b>Electrical &amp; Telecommunication Design Engineer</b>                      DETAIL DESIGN ENGINEERING STAGE AND ENGINEERING PROCUREMENT SERVICE &gt;&gt;<u>KARANJ PARS DESALTING PLANT</u>                      DETAIL DESIGN ENGINEERING STAGE AND ENGINEERING PROCUREMENT SERVICE &gt;&gt; <u>DAREH NEY OIL PLANT (REVAMPING WAS INCLUDED)</u></p>
BINA / Petrotechsun Consortium	Jun.2001	Apr.2006	<p><b>Electrical &amp; Telecommunication Design Engineer</b>                      DESIGN ENGINEERING STAGE AND ENGINEERING PROCUREMENT SERVICE &gt;&gt;<u>YAZD COMBINED CYCLE POWER PLANT</u> WITH MAPNA (B.O.P ELECTRICAL / MECHANICAL)                      &gt;&gt;ISSUE DOCUMENTS FOR TENDER OF KERMAN CAPP .                      &gt;&gt;ISSUE DOCUMENTS FOR TENDER OF DARAB DAM.                      &gt;&gt;ISSUE DOCUMENTS FOR TENDER OF KHARG POWER PLANT(KHARG PETROCHEMICAL COMPANY)                      &gt;&gt;ISSUE DOCUMENTS FOR TENDER OF CHP POWER PLANT (MINISTRY OF ENERGY)                      &gt;&gt;ISSUE DOCUMENTS FOR TENDER 1000MW POWER STATION OF POGC AND ALSO (BASIC DESIGN FOR UHF , VHF PAGING SYSTEM , CCTV , TRUNK RADIO , TELEPHONE SYSTEM)</p>

<p><b>BETAJA –Engineering Deputy (Military Service)</b></p>	<p>Dec.2000</p>	<p>Jun.2002</p>	<p><b>Electrical Installation Supervisor and Contract Engineer</b>                  &gt;&gt;BASIC DESIGN : PUMP STATION , WATER TREATMENT PLANT , FUEL FORWARDING SYSTEM , HEAT DISSIPATION STUDY FOR HVAC SIZING , CATHODIC PROTECTION STUDY FOR UNDER GROUND TANKS/DRUMS                  &gt;&gt;SUPERVISORY: INDUSTRIAL INSTALLATIONS &amp; BUILDINGS.                  &gt;&gt;COST &amp; ESTIMATION ENGINEERING WITH REGARD TO PRESIDENT'S DEPUTY STRATEGIC PLANNING AND CONTROL STANDARD DOCUMENTS.</p>
---	-----------------	-----------------	--

**6.Training Course**

<p>ETAP DESIGN &amp; CONCEPT</p>	<p>Instrumentation concept and design</p>
<p>COMMUNICATION PROTOCOLS , PDCS/DCS</p>	<p>Value Engineering – Module I</p>
<p>Cathodic Protection(General)</p>	<p>PMBOK</p>
<p>Cathodic Protection(underground Pipeline)</p>	<p>Risk Assessment Study</p>
<p>HAZOP Study</p>	<p>EPC Contracts</p>
<p>SIL Study</p>	<p>Navis work(View)</p>
<p>Advanced course on solar photovoltaic energy(DNV.GL)</p>	<p>Project Navigation Course ( IRENA)</p>
<p>PV syst</p>	<p>Photovoltaic Design course-IUST</p>

**7.Computer Skills**

Ability to professional study with ETAP , Dig silent , PDMS (review) , PV syst , PV SOL , AUTOCAD(2D , ISOMETRIC) , DIALUX (LIGHTING STUDY) and CalcuLUX , IRENA PROJECT NAVIGATION PLATFORM  
 Ability to work with MICROSOFT OFFICE /OUTLOOK.